



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

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DATA MATRIX

Date: March 2011

EPA Reg No./File: 62719-611

Page 1 of 41

Applicant's/Registrant's Name
& Address: **Dow AgroSciences LLC**
9330 Zionsville Road
Indianapolis, IN 46268

Product:
Pindar™ GT

Ingredient: Penoxsulam, Oxyfluorfen

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550	Product identity and composition	47701401	62719	OWN	
830.1600	Description of materials used to produce the product	47701401	62719	OWN	
830.1650	Description of formulation process	47701401	62719	OWN	
830.1670	Discussion of formulation of impurities	47701401	62719	OWN	
830.1750	Certified limits	47701401	62719	OWN	
830.1800	Enforcement analytical method	47701401	62719	OWN	
830.6302	Color	47701402	62719	OWN	
830.6303	Physical State	47701402	62719	OWN	
830.6304	Odor	47701402	62719	OWN	
830.6314	Oxidation/reduction: chemical incompatibility	47701402	62719	OWN	
830.6315	Flammability	47701402	62719	OWN	
830.6316	Explosibility	47701402	62719	OWN	
830.7000	pH	47701402	62719	OWN	
830.7100	Viscosity	47701402	62719	OWN	
830.7300	Density/relative density/bulk density	47701402	62719	OWN	
870.1100	Acute Oral Tox	47701403	62719	OWN	
870.1200	Acute Dermal Tox	47701404	62719	OWN	
870.1300	Acute Inhalation	47701405	62719	OWN	
870.2400	Acute Eye Irritation	47701406	62719	OWN	

Signature:

Name and Title:


Darin Lickfeldt, Regulatory Manager

Date:

March 11, 2011



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Applicant's/Registrant's Name & Address: Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268	Product: Pindar™ GT				
Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.2500	Acute Skin Irritation	47701407	62719	OWN	
870.2600	Skin Sensitization	47701408	62719	OWN	
GF-881 Manufacturing Use Concentrate (EPA Reg. No. 62719-502_					
830.1550	Product identity and composition	45830702	62719	OWN	
830.1600	Description of materials used to produce the product	45830702	62719	OWN	
830.1650	Description of formulation process	45830702	62719	OWN	
830.1670	Discussion of formulation of impurities	45830702	62719	OWN	
830.1750	Certified limits	45830702	62719	OWN	
830.1800	Enforcement analytical method	45830702	62719	OWN	
830.6302	Color	45830709	62719	OWN	
830.6303	Physical State	45830709	62719	OWN	
830.6304	Odor	45830709	62719	OWN	
830.6314	Oxidation/reduction: chemical incompatibility	45830709	62719	OWN	
830.6315	Flammability	45830709	62719	OWN	
830.6316	Explosibility	45830709	62719	OWN	
830.6317	Storage Stability	46863201	62719	OWN	
830.6320	Corrosion characteristics	46863201	62719	OWN	
830.7000	pH	45830709	62719	OWN	
830.7100	Viscosity	45830709	62719	OWN	
830.7300	Density/relative density/bulk density	45830709	62719	OWN	



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Applicant's/Registrant's Name & Address: Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268	Product: Pindar™ GT				
Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
N/A	Physiological Aspects of the Mode of Action of Nitrofluorfen and Oxyfluorfen	00096875	707	OLD	
870.1100	Acute Oral Toxicity	45830813	62719	OWN	
870.1200	Acute Dermal Toxicity	45830816	62719	OWN	
870.1300	Acute Inhalation Toxicity	Waiver	62719	OWN	
870.2400	Primary Eye Irritation	45830821	62719	OWN	
870.2500	Acute Dermal Irritation	45830824	62719	OWN	
870.2600	Skin Sensitization	45830827	62719	OWN	
Penoxsulam technical (62719-499)					
830.1550	Product identity and composition	45830701	62719	OWN	
830.1600	Description of materials used to produce the product	45830701	62719	OWN	
830.1620	Description of production process	45830701	62719	OWN	
830.1670	Discussion of formulation of impurities	45830701	62719	OWN	
830.1700	Preliminary analysis	48180901	62719	OWN	submitted 8/10/10
830.1700	Preliminary analysis	47694801	62719	OWN	
830.1700	Preliminary analysis	45830701	62719	OWN	
830.1750	Certified limits	45830701	62719	OWN	
830.1800	Enforcement analytical method	45830701	62719	OWN	
830.6302	Color	45830705	62719	OWN	
830.6303	Physical State	45830705	62719	OWN	
830.6304	Odor	45830705	62719	OWN	



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Applicant's/Registrant's Name & Address: Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268	Product: Pindar™ GT				
Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6313	Stability to normal and elevated temperatures, metals, and metal ions	45830705	62719	OWN	
830.6314	Oxidation/reduction: chemical incompatibility	45830705	62719	OWN	
830.6315	Flammability	45830705	62719	OWN	
830.6316	Explosibility	45830705	62719	OWN	
830.6317	Storage Stability	46772201	62719	OWN	
830.6319	Miscibility	45830705	62719	OWN	
830.7000	pH	45830705	62719	OWN	
830.6320	Corrosion characteristics	46772201	62719	OWN	
830.7050	UV/Visible absorption	45830705	62719	OWN	
830.7100	Viscosity	45830705	62719	OWN	
830.7200	Melting point/melting range	45830705	62719	OWN	
830.7220	Boiling point/boiling range	45830705	62719	OWN	
830.7300	Density/relative density/bulk density	45830705	62719	OWN	
830.7370	Dissociation constants in water	45830705	62719	OWN	
830.7550	Partition coefficient (n-octanol/water), shake flask method	45830705	62719	OWN	
830.7840	Water solubility: Column elution method: shake flask method	45830705	62719	OWN	
830.7950	Vapor pressure	45830705	62719	OWN	
870.1100	Acute Oral Toxicity	45830812	62719	OWN	
870.1200	Acute Dermal Toxicity	45830815	62719	OWN	
870.1300	Acute Inhalation Toxicity	45830818	62719	OWN	



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Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.2400	Primary Eye Irritation	45830820	62719	OWN	
870.2500	Acute Dermal Irritation	45830823	62719	OWN	
870.2600	Skin Sensitization	45830826	62719	OWN	
Penoxsulam Generic Data					
850.1020	Gammarid acute toxicity test	45831021	62719	OWN	
71-1	Avian acute, oral toxicity test	45830928	62719	OWN	
71-1	Avian acute, oral toxicity test	45831001	62719	OWN	
71-1	Avian acute, oral toxicity test	45830929	62719	OWN	
71-2(a)	Avian dietary toxicity test	45831002	62719	OWN	
71-2(b)	Avian dietary toxicity test	45831003	62719	OWN	
850.2300	Avian reproduction test	45831007	62719	OWN	
850.2300	Avian reproduction test	45831006	62719	OWN	
71-4	Avian reproduction test	45831005	62719	OWN	
850.2300	Avian reproduction test	45831004	62719	OWN	
71-4	Avian reproduction test	46276401	62719	OWN	
71-4(b)	Avian reproduction test	45831008	62719	OWN	
71-4(b)	Avian reproduction test	45830101	62719	OWN	
72-1	Fish acute toxicity test, freshwater and marine	45831009	62719	OWN	
72-1(a)	Fish acute toxicity test, freshwater and marine	45831010	62719	OWN	
72-1(c)	Fish acute toxicity test, freshwater and marine	45834804	62719	OWN	
72-1(c)	Fish acute toxicity test, freshwater and marine	45831011	62719	OWN	



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Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
72-2	Aquatic invertebrate acute toxicity, test, freshwater daphnids	45831020	62719	OWN	
72-2	Aquatic invertebrate acute toxicity, test, freshwater daphnids	45831019	62719	OWN	
72-2	Aquatic invertebrate acute toxicity, test, freshwater daphnids	45831018	62719	OWN	
72-2	Aquatic invertebrate acute toxicity, test, freshwater daphnids	45831017	62719	OWN	
72-2	Aquatic invertebrate acute toxicity, test, freshwater daphnids	45831016	62719	OWN	
72-2	Aquatic invertebrate acute toxicity, test, freshwater daphnids	45831015	62719	OWN	
72-2	Aquatic invertebrate acute toxicity, test, freshwater daphnids	45831014	62719	OWN	
72-2	Aquatic invertebrate acute toxicity, test, freshwater daphnids	45831013	62719	OWN	
72-2	Aquatic invertebrate acute toxicity, test, freshwater daphnids	45831012	62719	OWN	
72-3(a)	Toxicity to Estuarine and Marine Organisms in Fish, Mollusks and Shrimp	45831022	62719	OWN	
72-3(b)	Toxicity to Estuarine and Marine Organisms in Fish, Mollusks and Shrimp	45831023	62719	OWN	



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Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
72-3(c)	Toxicity to Estuarine and Marine Organisms in Fish, Mollusks and Shrimp	45831024	62719	OWN	
72-4	Fish early-life stage, toxicity test	45831026	62719	OWN	
72-4	Fish early-life stage, toxicity test	45831025	62719	OWN	
72-4(a)	Fish early-life stage, toxicity test	45831027	62719	OWN	
850.1300	Mysid chronic toxicity test	45831028	62719	OWN	
850.1730	Fish BCF	45831101	62719	OWN	
82-1(a)	90-Day oral toxicity in rodents	45830907	62719	OWN	
870.3100	90-Day oral toxicity in rodents	45830906	62719	OWN	
870.3100	90-Day oral toxicity in rodents	45830905	62719	OWN	
82-1(a)	90-Day oral toxicity in rodents	45830904	62719	OWN	
82-1(a)	90-Day oral toxicity in rodents	45830903	62719	OWN	
870.3150	90-Day Oral toxicity in nonrodents	45830909	62719	OWN	
82-1(b)	90-Day Oral toxicity in nonrodents	45830908	62719	OWN	
870.3200	21/28-Day Dermal Toxicity	45830911	62719	OWN	
870.3200	21/28-Day Dermal Toxicity	45830910	62719	OWN	
870.4100	Chronic toxicity	45830914	62719	OWN	
870.4200	Carcinogenicity	45830915	62719	OWN	
870.3700	Prenatal developmental toxicity study	45830918	62719	OWN	
870.3700	Prenatal developmental toxicity study	45830917	62719	OWN	
83-3(a)	Prenatal developmental toxicity study	45830916	62719	OWN	
83-3(b)	Prenatal developmental toxicity study	45830919	62719	OWN	
870.3800	Reproduction and fertility effects	45830920	62719	OWN	



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Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
84-2	Gene mutation	45830922	62719	OWN	
84-2	Gene mutation	45830921	62719	OWN	
870.5300	In vitro Mammalian Cell Gene Mutation Test	45830923	62719	OWN	
870.5375	In vitro Mammalian Chromosome Aberration Test	45830924	62719	OWN	
870.5395	Mammalian Erythrocyte Micronucleus Test	45830926	62719	OWN	
870.5395	Mammalian Erythrocyte Micronucleus Test	45830925	62719	OWN	
870.7485	Metabolism and Pharmacokinetics	45830927	62719	OWN	
870.7800	Immunotoxicity	48125301	62719	OWN	
N/A	Human Health Risk Assessment for Aquatic Uses of Penoxsulam: Occupational, Dietary, Residential and Aggregate Assessments	46703510	67690	PER	
N/A	DE-638 (Penoxsulam) Comparative Human Health Risk Assessment	45831128	62719	OWN	
850.4400	Aquatic plant toxicity test using Lemna spp. Tiers I and II	45831111	62719	OWN	
850.4400	Aquatic plant toxicity test using Lemna spp. Tiers I and II	45831110	62719	OWN	
850.4400	Aquatic plant toxicity test using Lemna spp. Tiers I and II	45831109	62719	OWN	
850.4400	Aquatic plant toxicity test using Lemna spp. Tiers I and II	45831108	62719	OWN	
122-2	Aquatic plant toxicity test using lemna spp. Tiers I and II	45831107	62719	OWN	



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Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
122-2	Aquatic plant toxicity test using lemna spp. Tiers I and II	45831106	62719	OWN	
122-2	Aquatic plant toxicity test using lemna spp. Tiers I and II	45831105	62719	OWN	
122-2	Aquatic plant toxicity test using lemna spp. Tiers I and II	45831104	62719	OWN	
850.4225	Seeding emergence, Tier II	45831116	62719	OWN	
850.4250	Vegetative vigor, Tier II	45831116	62719	OWN	
850.5400	Algal Tox, Tiers I and II	45831115	62719	OWN	
850.5400	Algal Tox, Tiers I and II	45831114	62719	OWN	
850.5400	Algal Tox, Tiers I and II	45831113	62719	OWN	
850.5400	Algal Tox, Tiers I and II	45831112	62719	OWN	
123-1(a)	Seedling Emergence Tiers I & II	45861101	62719	OWN	
123-1(a)	Seedling Emergence Tiers I & II	41644001	707	OLD	
123-2	Aquatic plant toxicity test using lemna spp. Tiers I and II	45834805	62719	OWN	
123-2	Aquatic plant toxicity test using lemna spp. Tiers I and II	45831123	62719	OWN	
123-2	Aquatic plant toxicity test using lemna spp. Tiers I and II	45831122	62719	OWN	



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Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
123-2	Aquatic plant toxicity test using lemna spp. Tiers I and II	45831121	62719	OWN	
123-2	Aquatic plant toxicity test using lemna spp. Tiers I and II	45831120	62719	OWN	
123-2	Aquatic plant toxicity test using lemna spp. Tiers I and II	45831119	62719	OWN	
123-2	Aquatic plant toxicity test using lemna spp. Tiers I and II	45831118	62719	OWN	
123-2	Aquatic plant toxicity test using lemna spp. Tiers I and II	45831117	62719	OWN	
123-2	Aquatic plant toxicity test using lemna spp. Tiers I and II	45831107	62719	OWN	
123-2	Aquatic plant toxicity test using lemna spp. Tiers I and II	45831106	62719	OWN	
123-2	Aquatic plant toxicity test using lemna spp. Tiers I and II	45831105	62719	OWN	
123-2	Aquatic plant toxicity test using lemna spp. Tiers I and II	45831104	62719	OWN	
141-1	Honey Bee acute contact toxicity	45831127	62719	OWN	
141-1	Honey Bee acute contact toxicity	45831126	62719	OWN	
141-1	Honey Bee acute contact toxicity	45831125	62719	OWN	
141-1	Honey Bee acute contact toxicity	45831124	62719	OWN	
850.6200	Earthworm subchronic toxicity test	45830807	62719	OWN	



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Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.6200	Earthworm subchronic toxicity test	45830806	62719	OWN	
850.6800	Modified activated sludge, respiration inhibition test for sparingly soluble chemicals	45834803	62719	OWN	
850.7100	Data reporting for environmental chemistry methods	45830808	62719	OWN	
161-1	Hydrolysis as a function of pH and temperature	45830721	62719	OWN	
161-2	Photodegradation in Water	45834801	62719	OWN	
161-2	Photodegradation in Water	45830722	62719	OWN	
161-3	Photodegradation on Soil	45830723	62719	OWN	
162-1	Aerobic Soil Metabolism	45830724	62719	OWN	
162-3	Anaerobic Aquatic Metabolism	45830725	62719	OWN	
162-4	Aerobic Aquatic Metabolism	45830726	62719	OWN	
163-1	Sediment and soil adsorption/description isotherm	45830802	62719	OWN	
163-1	Sediment and soil adsorption/description isotherm	45830801	62719	OWN	
163-1	Sediment and soil adsorption/description isotherm	45834802	62719	OWN	
164-1	Soil Field Dissipation	46703501	62719	OWN	
164-1	Data reporting for environmental chemistry methods	45837901	62719	OWN	
164-1	Data reporting for environmental chemistry methods	45830102	62719	OWN	
164-2	Aquatic Sediment Field Dissipation	46703503	67690	PER	
164-2	Aquatic Sediment Field Dissipation	46703502	67690	PER	
164-2	Aquatic Sediment Field Dissipation Study	46433901	62719	OWN	



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DATA MATRIX

Date: March 2011	EPA Reg No./File: 62719-611	Page 12 of 41			
Applicant's/Registrant's Name & Address: Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268	Product: Pindar™ GT				
Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
164-2	Aquatic Sediment Field Dissipation	45830805	62719	OWN	
164-2	Aquatic Sediment Field Dissipation	45830804	62719	OWN	
164-2	Aquatic Sediment Field Dissipation	45830803	62719	OWN	
860.1850	Confined Accumulation in Rotational Crops	45830720	62719	OWN	
165-4	Accumulation in Fish	Waiver	62719	OWN	
N/A	Penoxsulam in Turfgrass, Compost and Compost/Peat Growth Media: Environmental Fate and Non-Target Plant Effects	46930302	62719	OWN	
N/A	Assessment of Potential Effects on Federally Listed Threatened and Endangered Species from Use of Penoxsulam in U.S. Rice	46324401	62719	OWN	
N/A	Expected Environmental Concentrations of XDE-638 in Ground Water and Surface Water Using US EPA Tier 1 Screening Models	45830811	62719	OWN	
N/A	Comparative Exposure Assessment of Penoxsulam (XDE-638) and Competitive Herbicides in Ground Water and Surface Water Using US EPA Tier I Screening Models	45830103	62719	OWN	
N/A	Release Rate Analysis of XDE-638	45412801	62719	OWN	
OECD 216	XDE-638: Determination of Effects on Soil Microflora Activity	45831103	62719	OWN	
OECD 217	XDE-638: Determination of Effects on Soil Microflora Activity	45831103	62719	OWN	



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Applicant's/Registrant's Name & Address: Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268	Product: Pindar™ GT				
Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1300	Nature of the residue - plants, livestock	47444401	62719	OWN	
860.1300	Nature of the residue - plants, livestock	46267601	62719	OWN	
860.1300	Nature of the residue - plants, livestock	45830713	62719	OWN	
860.1300	Nature of the residue - plants, livestock	45830712	62719	OWN	
860.1340	Residue Analytical Method	46703505	62719	OWN	
860.1340	Residue Analytical Method	46703504	62719	OWN	
860.1340	Residue analytical method	46389701	62719	OWN	
860.1340	Residue analytical method	46355601	62719	OWN	
860.1340	Residue analytical method	46355601	62719	OWN	
860.1340	Residue analytical method	45830715	62719	OWN	
860.1340	Residue analytical method	45830714	62719	OWN	
860.1360	Multiresidue method	45830716	62719	OWN	
860.1380	Storage stability data	47444402	62719	OWN	
860.1380	Storage stability data	46449901	62719	OWN	
860.1380	Storage stability data	46433902	62719	OWN	
860.1380	Storage stability data	45830718	62719	OWN	
860.1380	Storage stability data	45830717	62719	OWN	
860.1400	Water, Fish and Irrigated Crops	47085201	67690	PER	
860.1400	Water, Fish and Irrigated Crops	47085202	67690	PER	
860.1400	Water, Fish and Irrigated Crops	46703507	67690	PER	
860.1400	Water, Fish and Irrigated Crops	46703506	67690	PER	
860.1500	Crop field trials	47444403	62719	OWN	
860.1500	Crop field trials	47444404	62719	OWN	



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Applicant's/Registrant's Name & Address: Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268	Product: Pindar™ GT				
Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Crop field trials	47444405	62719	OWN	
860.1500	Crop field trials	45830719	62719	OWN	
860.1520	Processed food/feed	47444403	62719	OWN	
860.1520	Processed food/feed	45830719	62719	OWN	
860.1550	Proposed Tolerance	Admin	67690	PER	
860.1560	Reasonable Grounds in Support of Petition	46703509	67690	PER	
875.1100	Occupational and Residential Exposure	46703508	62719	OWN	
N/A	Penoxsulam: Justification for Waiver of Nature of Residue Data	47684001	62719	OWN	
N/A	Penoxsulam: Justification for Waiver of Nature of Residue Data	47684001	62719	OWN	
N/A	DE-638 in or on Rice: Sections E, F, and G of the Petition for Permanent Tolerance	Admin	62719	OWN	
N/A	Herbicidal Activity of XDE-638 Soil, Aquatic and Photolytic Metabolites on Weeds and Crops in Discovery Weed Management Screens	46758301	62719	OWN	
N/A	Reduced Risk Rationale for Penoxsulam Herbicide for Aquatic Weed Control in Lakes, Reservoirs, Ponds, and Canals	46705601	67690	PER	
N/A	Reduced Risk Rationale for Penoxsulam Herbicide for Weed Control in Turf	46705501	62719	OWN	
N/A	Environmental Risk Assessment for the Use of Penoxsulam as an Aquatic Herbicide	46703511	67690	PER	



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Applicant's/Registrant's Name & Address: Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268	Product: Pindar™ GT				
Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
N/A	Public Interest Document Supporting the Registration of Penoxsulam to Control Barnyardgrass, Watergrass, and Commercially Important Broadleaf and Sedge Weeds in Rice	45831131	62719	OWN	
N/A	Reduced Risk Rationale for Penoxsulam Herbicide for Weed Control in Rice	45831130	62719	OWN	
N/A	Informative Summary: Petition for Establishment of Penoxsulam Tolerance Under the Requirements of the Food Quality Protection Act of 1996	45831129	62719	OWN	
CITE-ALL	N/A	N/A	IR-4	PUB	
CITE-ALL	N/A	N/A	Agricultural Reentry Task Force	OWN	
CITE-ALL	N/A	N/A	Endangered Species Task Force	PER	
CITE-ALL	N/A	N/A	Spray Drift Task Force	PER	
CITE-ALL	N/A	N/A	AHETF	OWN	
CITE-ALL	N/A	N/A	ORETF	OWN	
Oxyfluorfen Technical (EPA Reg. No. 62719-399)					
830.1550	Product identity and composition	47303701	62719	OWN	
830.1550	Product identity and composition	44828901	707	OWN	
61-1	Product identity and composition	40966201	707	OWN	



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Applicant's/Registrant's Name & Address: Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268	Product: Pindar™ GT				
Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
61-1	Product identity and composition	40478001	707	OLD	
830.1600	Description of Materials Used to Produce the Product	47303701	62719	OWN	
830.1600	Description of Materials Used to Produce the Product	44828901	707	OWN	
061-2(a)	Description of Materials Used to Produce the Product	40966201	707	OWN	
062-2(a)	Description of materials used to produce the product	40478001	707	OLD	
830.1620	Description of Production Process	47303701	62719	OWN	
830.1620	Description of Production Process	44828901	707	OWN	
830.1650	Description of Formulation Process	47303701	62719	OWN	
830.1650	Description of Formulation Process	44828901	707	OWN	
830.1670	Discussion of formation of impurities	47303701	62719	OWN	
830.1670	Discussion of formation of impurities	44828901	707	OWN	
061-2(b)	Discussion of formation of impurities	40966201	707	OWN	
061-2(b)	Discussion of formation of impurities	40478001	707	OLD	
Series 61	Updated Product Chemistry Section to RH-2915. Guidelines 61 and 62.	40478001	707	OLD	
830.1700	Preliminary Analysis	47303701	62719	OWN	
830.1700	Preliminary Analysis	44828901	707	OWN	
62-1	Preliminary analysis	40966201	707	OWN	
62-1	Preliminary analysis	40478001	707	OLD	



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Applicant's/Registrant's Name & Address: Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268	Product: Pindar™ GT				
Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1750	Certified Limits	47303701	62719	OWN	
830.1750	Certified Limits	44828901	707	OWN	
062-2	Certified Limits	40478001	707	OLD	
830.1800	Enforcement Analytical Method	44828901	707	OWN	
62-3	Enforcement Analytical Method	00096870	707	OLD	
Series 62	Updated Product Chemistry Section to RH-2915. Guidelines 61 and 62.	40478001	707	OLD	
830.6302	Color	44828902	707	OWN	
830.6303	Physical State	44828902	707	OWN	
830.6304	Odor	44828902	707	OWN	
830.6313	Stability to normal and elevated temperatures, metals, and metal ions	44828902	707	OWN	
830.6313	Stability to normal and elevated temperatures, metals, and metal ions	46702801	707	OWN	
830.6314	Oxidation/Reduction: Chemical Incompatibility	44828902	707	OWN	
830.6317	Storage Stability	46692101	62719	OWN	
830.6320	Corrosion Characteristics	46692101	62719	OWN	
830.7000	pH	44828902	707	OWN	
830.7050	UV/Visible Absorption	44828902	707	OWN	
830.7200	Melting Point/Melting Range	44828902	707	OWN	
830.7300	Density/Relative/Bulk Density	44828902	707	OWN	
830.7520	Particle Size, Fiber Length and Diameter Distribution	44828902	707	OWN	



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Applicant's/Registrant's Name & Address: Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268	Product: Pindar™ GT				
Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7550	Partition Coefficient (<i>n</i> -octanol/water), Shake Flask Method	44828902	707	OWN	
830.7840	Water Solubility: Column Elution Method: Shake Flask Method	44828902	707	OWN	
830.7950	Vapor Pressure	44828902	707	OWN	
81-1	Acute Oral Tox	43756801	707	OWN	
81-1	Acute Oral Tox	41601001	707	OLD	
81-2	Acute Dermal Tox	41601002	707	OLD	
81-2	Acute Dermal Tox	00038173	707	OLD	
81-3	Acute Inhalation Tox	42000001	707	OLD	
81-4	Acute Eye Irritation	43765001	707	OWN	
81-4	Acute Eye Irritation	41601004	707	OLD	
81-5	Acute Dermal Irritation	43765001	707	OWN	
81-5	Acute Dermal Irritation	41601003	707	OLD	
81-6	Skin Sensitization	41891802	707	OLD	
71-1(a)	Acute Avian Oral Tox - Bobwhite Quail or Mallard Duck	42255901	707	OLD	
71-1(a)	Acute Avian Oral Tox - Bobwhite Quail or Mallard Duck	42142301	707	OLD	
71-1(a)	Acute Avian Oral Tox - Bobwhite Quail or Mallard Duck	92136091	707	OLD	
71-1(a)	Acute Avian Oral Tox - Bobwhite Quail or Mallard Duck	92136090	707	OLD	



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Applicant's/Registrant's Name & Address: Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268	Product: Pindar™ GT				
Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
71-1(b)	Acute Avian Oral Tox - Bobwhite Quail or Mallard Duck (Using Typical End-Use Product)	42255901	707	OLD	
71-1(b)	Acute Avian Oral Tox - Bobwhite Quail or Mallard Duck (Using Typical End-Use Product)	42142301	707	OLD	
71-1(b)	Acute Avian Oral Tox - Bobwhite Quail or Mallard Duck (Using Typical End-Use Product)	92136091	707	OLD	
71-1(b)	Acute Avian Oral Tox - Bobwhite Quail or Mallard Duck (Using Typical End-Use Product)	92136090	707	OLD	
71-2 (a)	Acute Avian Dietary Toxicity (LC50) in Bobwhite Quail	42142302	707	OLD	
71-2 (b)	Acute Avian Dietary Toxicity (LC50) in Mallard Duck	42142303	707	OLD	
71-2 (b)	Acute Avian Dietary Toxicity (LC50) in Mallard Duck	92136092	707	OLD	
71-4(a)	Avian Reproductive Toxicity in Bobwhite Quail	46070102	62719	OWN	
71-4(a)	Avian Reproductive Toxicity in Bobwhite Quail	42142315	707	OLD	
71-4(a)	Avian Reproductive Toxicity in Bobwhite Quail	92136004	707	OLD	
71-4(a)	Avian Reproductive Toxicity in Bobwhite Quail	00117619	707	OLD	
71-4(b)	Avian Reproductive Toxicity in Mallard Duck	46070101	62719	OWN	
71-4(b)	Avian Reproductive Toxicity in Mallard Duck	42142314	707	OLD	
71-4(b)	Avian Reproductive Toxicity in Mallard Duck	92136115	707	OLD	
71-4(b)	Avian Reproductive Toxicity in Mallard Duck	92136005	707	OLD	
71-4(b)	Avian Reproductive Toxicity in Mallard Duck	00117618	707	OLD	



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Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
72-1	Fish Acute Tox, Freshwater and Marine	45271301	707	OWN	
72-1	Fish Acute Tox, Freshwater and Marine	42129802	707	OLD	
72-1	Fish Acute Tox, Freshwater and Marine	42129801	707	OLD	
72-1	Fish Acute Tox, Freshwater and Marine	42048003	707	OLD	
72-1	Fish Acute Tox, Freshwater and Marine	42048002	707	OLD	
72-1	Fish Acute Tox, Freshwater and Marine	92136105	707	OLD	
72-1	Fish Acute Tox, Freshwater and Marine	00134452	707	OLD	
72-1	Fish Acute Tox, Freshwater and Marine	00096881	707	OLD	
72-1	Fish Acute Tox, Freshwater and Marine	00096881	707	OLD	
72-1	Fish Acute Tox, Freshwater and Marine	00081856	707	OLD	
72-2	Aquatic Invertebrate Acute Tox, Freshwater Daphnids	42142305	707	OLD	
72-2	Aquatic Invertebrate Acute Tox, Freshwater Daphnids	45906008	62719	OWN	
72-2	Aquatic Invertebrate Acute Tox, Freshwater Daphnids	42142304	707	OLD	
72-2	Aquatic Invertebrate Acute Tox, Freshwater Daphnids	92136106	707	OLD	
72-2	Aquatic Invertebrate Acute Tox, Freshwater Daphnids	92136094	707	OLD	
72-2	Aquatic Invertebrate Acute Tox, Freshwater Daphnids	92136093	707	OLD	



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Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
72-2	Aquatic Invertebrate Acute Tox, Freshwater Daphnids	92136093	707	OLD	
72-2	Aquatic Invertebrate Acute Tox, Freshwater Daphnids	00134452	707	OLD	
72-2	Aquatic Invertebrate Acute Tox, Freshwater Daphnids	00096881	707	OLD	
72-3	Fish Acute Tox, Freshwater and Marine	42378901	707	OLD	
72-3	Fish Acute Tox, Freshwater and Marine	41698801	707	OLD	
72-3(a-f)	Fish Acute Tox, Freshwater and Marine	92136010	707	OLD	
72-3(a-f)	Fish Acute Tox, Freshwater and Marine	92136009	707	OLD	
72-3(a-f)	Fish Acute Tox, Freshwater and Marine	92136008	707	OLD	
72-3(a-f)	Fish Acute Tox, Freshwater and Marine	00134453	707	OLD	
72-3(a-f)	Fish Acute Tox, Freshwater and Marine	00134451	707	OLD	
72-3(a-f)	Fish Acute Tox, Freshwater and Marine	00134450	707	OLD	
850.1400	Early Life Stage in Fish	46794501	62719	OWN	
850.1400	Early Life Stage in Fish	46585104	62719	OWN	
72-4(a)	Early Life Stage in Fish	92136057	707	OLD	
72-4(b)	Daphnid Chronic Toxicity	45550201	707	OLD	
72-4(b)	Daphnid Chronic Toxicity	45550201	62719	OWN	
72-4(b)	Daphnid Chronic Toxicity	42142305	62719	OWN	
72-4(b)	Daphnid Chronic Toxicity	42142304	707	OLD	
72-4(b)	Daphnid Chronic Toxicity	92136106	707	OLD	
72-4(b)	Daphnid Chronic Toxicity	92136094	707	OLD	



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Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
72-4(b)	Daphnid Chronic Toxicity	92136093	707	OLD	
850.1350	Mysid chronic toxicity test	46597701	62719	OWN	
72-5	Fish Life Cycle Tox	92136105	707	OLD	
72-5	Fish Life Cycle Tox	00099270	707	OLD	
72-6	Aquatic Food Chain Transfer	40298303	707	OWN	
72-7	Field Testing for Aquatic Organisms	42048001	707	OLD	
850.1735	Whole sediment acute toxicity invertebrates, freshwater	46597702	62719	OWN	
850.1740	Whole sediment acute toxicity invertebrates, marine	46597703	62719	OWN	
122-1	Vegetative Vigor Tiers I & II	45861102	62719	OWN	
122-1	Seedling Emergence Tiers I & II	45861101	62719	OWN	
850.4400	Aquatic Plant Tox Using <i>Lemna spp.</i> Tiers I & II	45861103	62719	OWN	
123-1(a)	Seedling Emergence Tiers I & II	45861101	62719	OWN	
123-1(a)	Seedling Emergence Tiers I & II	41644001	707	OLD	
123-1(b)	Vegetative Vigor Tiers I & II	45861102	62719	OWN	
123-1(b)	Vegetative Vigor Tiers I & II	41644001	707	OLD	



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Applicant's/Registrant's Name & Address: Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268	Product: Pindar™ GT				
Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.5400	Algal Tox, Tiers I & II	45861106	62719	OWN	
850.5400	Algal Tox, Tiers I & II	45861105	62719	OWN	
850.5400	Algal Tox, Tiers I & II	45861104	62719	OWN	
123-2	Algal Tox, Tiers I & II	45581601	62719	OWN	
123-2	Algal Tox, Tiers I & II	41618401	707	OLD	
141-1	Honey Bee Acute Contact Tox	42368101	707	OLD	
OECD 207	Earthworm Subchronic Tox	45906007	62719	OWN	
N/A	Goal 2XL (P): Laboratory Contact Toxicity Test with the Predacious Mite, <i>Typhlodromus Pyri</i> Scheuten (Acari: Phytoseiidae)	45906006	62719	OWN	
N/A	Goal 2XL (P): Laboratory Acute Toxicity Test with Spiders (<i>Pardose sp.</i> (Araneae: Lycosidae)	45906005	62719	OWN	
N/A	Goal* 2XL (P): laboratory Acute Toxicity Test with the Ground Beetle, <i>Poecilus cupreus</i> L. (Coleoptera: Carabidae)	45906004	62719	OWN	
N/A	Goal 2XL (P): Laboratory Acute Toxicity Test with the Parasitic Wasp, <i>Aphidius rhopalosiph</i>	45906003	62719	OWN	
82-1(a)	90 Day Feeding Study in the Rodent	42142316	707	OLD	
82-1(a)	90 Day Feeding Study in the Rodent	92136118	707	OLD	
82-1(a)	90 Day Feeding Study in the Rodent	92136117	707	OLD	
82-1(a)	90 Day Feeding Study in the Rodent	92136012	707	OLD	
82-1(a)	90 Day Feeding Study in the Rodent	92136011	707	OLD	
82-1(a)	90 Day Feeding Study in the Rodent	00117603	707	OLD	



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Applicant's/Registrant's Name & Address: Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268	Product: Pindar™ GT				
Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
82-1(a)	90 Day Feeding Study in the Rodent	00117602	707	OLD	
82-1(a)	90 Day Feeding Study in the Rodent	00117601	707	OLD	
82-1(a)	90 Day Feeding Study in the Rodent	00096871	707	OLD	
82-1(a)	90 Day Feeding Study in the Rodent	00094055	707	OLD	
82-1(a)	90 Day Feeding Study in the Rodent	00094050	707	OLD	
82-1(a)	90 Day Feeding Study in the Rodent	00031181	707	OLD	
82-1(b)	90 Day Oral Tox in Nonrodents	92136013	707	OLD	
82-1(b)	90 Day Oral Tox in Nonrodents	00038182	707	OLD	
82-2	21/28 Day Dermal Tox	00135075	707	OLD	
82-3	90 Day Dermal Tox	92136014	707	OLD	
82-3	90 Day Dermal Tox	00071915	707	OLD	
82-4	90 Day Inhalation Tox	00135076	707	OLD	
82-4	90 Day Inhalation Tox	00071916	707	OLD	
83-1(a)	Chronic Tox - Rodent	92136061	707	OLD	
83-1(a)	Chronic Tox - Rodent	00037939	707	OLD	
83-1(b)	Chronic Tox - Non Rodent	42142319	707	OLD	
83-1(b)	Chronic Tox - Non Rodent	42142318	707	OLD	
83-1(b)	Chronic Tox - Non Rodent	92136120	707	OLD	
83-1(b)	Chronic Tox - Non Rodent	92136119	707	OLD	
83-1(b)	Chronic Tox - Non Rodent	92136062	707	OLD	
83-1(b)	Chronic Tox - Non Rodent	92136016	707	OLD	
83-1(b)	Chronic Tox - Non Rodent	00096872	707	OLD	
83-1(b)	Chronic Tox - Non Rodent	00078767	707	OLD	



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Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
83-2(a)	Oncogenicity Study in the Rat	92136061	707	OLD	
83-2(b)	Oncogenicity Study in the Mouse	00096871	707	OLD	
83-3(a)	Teratogenicity in the Rat	41806501	707	OLD	
83-3(a)	Teratogenicity in the Rat	41678801	707	OLD	
83-3(b)	Teratogenicity in the Rabbit	92136019	707	OLD	
83-3(b)	Teratogenicity in the Rabbit	92136018	707	OLD	
83-3(b)	Teratogenicity in the Rabbit	00094052	707	OLD	
83-3(b)	Teratogenicity in the Rabbit	00094051	707	OLD	
83-3(b)	Teratogenicity in the Rabbit	00038568	707	OLD	
83-3(b)	Teratogenicity in the Rabbit	00038567	707	OLD	
83-4	Reproduction and Fertility Effects	42014901	707	OLD	
83-4	Reproduction and Fertility Effects	00135073	707	OLD	
83-4	Reproduction and Fertility Effects	00038571	707	OLD	
83-5	Combined Chronic Toxicity/Carcinogenicity	92136017	707	OLD	
83-5	Combined Chronic Toxicity/Carcinogenicity	92136015	707	OLD	
83-5	Combined Chronic Toxicity/Carcinogenicity	00083445	707	OLD	
83-5	Combined Chronic Toxicity/Carcinogenicity	00083445	707	OLD	
83-5	Combined Chronic Toxicity/Carcinogenicity	00038570	707	OLD	
83-5	Combined Chronic Toxicity/Carcinogenicity	00038569	707	OLD	
84-2	In vitro Mammalian Chromosome Aberration	44947204	707	OWN	
84-2(a)	Gene Mutation	44947206	707	OWN	
84-2(a)	Gene Mutation	44947205	707	OWN	
84-2(a)	Gene Mutation	44947203	707	OWN	



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Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
84-2(a)	Gene Mutation	44947202			
84-2(a)	Gene Mutation	44947201	707	OWN	
84-2(a)	Gene Mutation	41873801	707	OLD	
84-2(a)	Gene Mutation	40992201	707	OLD	
84-2(a)	Gene Mutation	92136022	707	OLD	
84-2(a)	Gene Mutation	92136020	707	OLD	
84-2(a)	Gene Mutation	00247206	707	OLD	
84-2(a)	Gene Mutation	00109283	707	OLD	
84-2(a)	Gene Mutation	00098420	707	OLD	
84-2(a)	Gene Mutation	00096872	707	OLD	
84-2(a)	Gene Mutation	00038573	707	OLD	
84-2(a,b)	Unscheduled DNA Synthesis in Mammalian Cells in Culture	92136021	707	OLD	
84-2(a,b)	Unscheduled DNA Synthesis in Mammalian Cells in Culture	00098423	707	OLD	
84-2(b)	Structural Chromosome Aberration	41873801	707	OLD	
84-2(a)	Structural Chromosome Aberration	00247206	707	OLD	
84-2(b)	Structural Chromosome Aberration	00247206	707	OLD	
84-2(b)	Structural Chromosome Aberration	00096872	707	OLD	
84-2(b)	Structural Chromosome Aberration	00038573	707	OLD	
85-1	Metabolism and Pharmacokinetics	42807001	707	OLD	
85-1	Metabolism and Pharmacokinetics	42652401	707	OLD	
85-1	Metabolism and Pharmacokinetics	42374201	707	OLD	



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Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
85-1	Metabolism and Pharmacokinetics	00110730	707	OLD	
85-1	Metabolism and Pharmacokinetics	00100731	707	OLD	
85-3	Dermal Penetration	42142306	707	OLD	
85-3	Dermal Penetration	92136107	707	OLD	
85-3	Dermal Penetration	92136095	707	OLD	
N/A	A Mode of Action Framework Analysis for the Determination of the Relevance of Mouse Liver Tumors	47293701	62719	OWN	
N/A	Oxyfluorfen: Arguments for Use of a Threshold Mode of Action for Cancer Risk Assessment	46373102	62719	OWN	
N/A	Oxyfluorfen: Evaluation of Hepatic Peroxisome Proliferation in CD-1 Mice	46373101	62719	OWN	
N/A	Dow AgroSciences' Response to the EPA EPA's Human Health Risk Assessment for Oxyfluorfen	45536701	62719	OWN	
N/A	Preliminary Dietary Risk Assessment for Oxyfluorfen: Lab Project Number: TDR-90-127. Unpublished study prepared by Rohm and Haas Co. 47 p.	42793302	707	OLD	
N/A	Rohm & Haas Co. (1991) Oxyfluorfen: Adverse Effects Report--Goal Technical Herbicide: Lab Project Number: 90-R007. Unpublished study prepared by Rohm & Haas Co. 10 p.	41768701	707	OWN	



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Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
N/A	Rohm and Haas Co. (1991) Goal Herbicide: Developmental Toxicity: Incident Report. Unpublished study. 28 p.	41764401	707	OLD	
N/A	Goal Subchronic and Chronic Dietary Feeding Studies	00117600	707	OLD	
N/A	Risk Assessment of Perchloroethylene in Goal 2E Herbicide	00097424	707	OLD	
N/A	Toxicological Data on Several Impurities in Goal Technical	00097424	707	OLD	
N/A	Introduction, Testing Program and Summary Evaluation for Goal	00096871	707	OLD	
N/A	Summary and Evaluation	00038166	707	OLD	
161-1	Hydrolysis	92136023	707	OLD	
161-1	Hydrolysis	00097091	707	OLD	
161-1	Hydrolysis	00096882	707	OLD	
161-2	Photodegradation in Water	43307501	707	OLD	
161-2	Photodegradation in Water	42142308	707	OLD	
161-2	Photodegradation in Water	42142307	707	OWN	
161-2	Photodegradation in Water	42129101	707	OLD	
161-2	Photodegradation in Water	92136109	707	OLD	
161-2	Photodegradation in Water	92136108	707	OLD	
161-2	Photodegradation in Water	92136096	707	OLD	
161-2	Photodegradation in Water	00096883	707	OLD	



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Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
161-3	Photodegradation on Soil	43307501	707	OLD	
161-3	Photodegradation on Soil	41999901	707	OWN	
161-3	Photodegradation on Soil	00110750	707	OLD	
161-3	Photodegradation on Soil	00097091	707	OLD	
161-3	Photodegradation on Soil	00096883	707	OLD	
161-3	Photodegradation on Soil	00040919	707	OLD	
162-1	Aerobic Soil Metabolism	46373103	62719	OWN	
162-1	Aerobic Soil Metabolism	43307501	707	OWN	
162-1	Aerobic Soil Metabolism	42142309	707	OLD	
162-1	Aerobic Soil Metabolism	92136110	707	OLD	
162-1	Aerobic Soil Metabolism	92136097	707	OLD	
162-1	Aerobic Soil Metabolism	00096883	707	OLD	
162-2	Anaerobic Soil Metabolism	43307501	707	OWN	
162-2	Anaerobic Soil Metabolism	42142310	707	OLD	
162-2	Anaerobic Soil Metabolism	92136111	707	OLD	
162-2	Anaerobic Soil Metabolism	92136098	707	OLD	
162-3	Anaerobic Aquatic Metabolism	92136024	707	OLD	
162-3	Anaerobic Aquatic Metabolism	00149203	707	OLD	
162-4	Aerobic Aquatic Metabolism	46373104	62719	OWN	
163-1	Leaching and Adsorption/Desorption	42142311	707	OLD	
163-1	Leaching and Adsorption/Desorption	92136112	707	OLD	
163-1	Leaching and Adsorption/Desorption	92136099	707	OLD	
163-1	Leaching and Adsorption/Desorption	00096881	707	OLD	



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Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
163-2	Laboratory Volatility	00134455	707	OLD	
164-1	Soil Field Dissipation	43840101	707	OWN	
164-1	Soil Field Dissipation	42142312	707	OLD	
164-1	Soil Field Dissipation	92136122	707	OLD	
164-1	Soil Field Dissipation	92136113	707	OLD	
164-1	Soil Field Dissipation	92136086	707	OLD	
164-1	Soil Field Dissipation	92136081	707	OLD	
164-1	Soil Field Dissipation	00127936	707	OWN	
164-1	Soil Field Dissipation	00110744	707	OWN	
164-1	Soil Field Dissipation	00098213	707	OLD	
164-1	Soil Field Dissipation	00096886	707	OLD	
164-1	Soil Field Dissipation	00096886	707	OLD	
164-1	Soil Field Dissipation	00096883	707	OLD	
164-1	Soil Field Dissipation	00096883	707	OLD	
164-1	Soil Field Dissipation	00096883	707	OLD	
164-1	Soil Field Dissipation	00096874	707	OLD	
164-1	Soil Field Dissipation	00094749	707	OLD	
164-1	Soil Field Dissipation	00040915	707	OLD	
164-1	Soil Field Dissipation	00040914	707	OLD	
164-1	Soil Field Dissipation	00040913	707	OLD	
165-1	Confined Rotational Crop	92136025	707	OLD	
165-1	Confined Rotational Crop	40567001	707	OLD	
165-1	Confined Rotational Crop	00156848	707	OLD	



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Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
165-1	Confined Rotational Crop	00095071	707	OLD	
165-4	Accumulation in Fish	92136064	707	OLD	
165-4	Accumulation in Fish	92136026	707	OLD	
165-4	Accumulation in Fish	00140477	707	OLD	
165-4	Accumulation in Fish	00040921	707	OLD	
N/A	Dow Agro Sciences/ Response to the U.S. EPA's Environmental Fate and Effects Division Science Chapter for Oxyfluorfen	45536702	62719	OWN	
N/A	Evaluation of RH-2915 Against Environmentally Important Microorganisms	00134456	707	OLD	
N/A	Analytical Report of Pesticide Residues: RH-2915	00040916	707	OLD	
171-4(a)	Nature of Residue - Plants	45906002	62719	OWN	
171-4(a)	Nature of Residue - Plants	45906001	62719	OWN	
171-4(a)	Nature of Residue - Plants	43944801	707	OWN	
171-4(a)	Nature of Residue - Plants	42913201	707	OLD	
171-4(a)	Nature of Residue - Plants	42873301	707	OLD	
171-4(a)	Nature of Residue - Plants	42865001	707	OLD	
171-4(a)	Nature of Residue - Plants	42142320	707	OLD	
171-4(a)	Nature of Residue - Plants	42142313	707	OLD	
171-4(a)	Nature of Residue - Plants	40223206	707	OLD	
171-4(a)	Nature of Residue - Plants	92136027	707	OLD	
171-4(a)	Nature of Residue - Plants	92136121	707	OLD	
171-4(a)	Nature of Residue - Plants	00085061	707	OLD	



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Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4(a)	Nature of Residue - Plants	00040911	707	OLD	
171-4(a)	Nature of Residue - Plants	00039926	707	OLD	
171-4(a)	Nature of Residue - Plants	00039925	707	OLD	
171-4(a)	Nature of Residue - Plants	00097827	707	OLD	
171-4(a)	Nature of Residue - Plants	00085061	707	OLD	
171-4(a)	Nature of Residue - Plants	00040911	707	OLD	
171-4(b)	Nature of Residue - Livestock	44407801	707	OWN	
171-4(b)	Nature of Residue - Livestock	43317701	707	OWN	
171-4(b)	Nature of Residue in Livestock	43307501	707	OWN	
171-4(b)	Nature of Residue - Livestock	42670601	707	OLD	
171-4(b)	Nature of Residue - Livestock	42634701	707	OLD	
171-4(b)	Nature of Residue - Livestock	00096874	707	OLD	
171-4(c)	Residue Analytical Method - Plants	45550202	62719	OWN	
171-4(c)	Residue Analytical Method - Plants	44400203	707	OWN	
171-4(c)	Residue Analytical Method - Plants	44400202	707	OWN	
171-4(c)	Residue Analytical Method - Plants	43756804	707	OWN	
171-4(c)	Residue Analytical Method - Plants	42206401	707	OLD	
171-4(c)	Residue Analytical Method - Plants	41578401	707	OLD	
171-4(c)	Residue Analytical Method - Plants	40223201	707	OLD	
171-4(c)	Residue Analytical Method - Plants	00096873	707	OLD	
171-4(c)	Residue Analytical Method - Plants	00096873	707	OLD	
171-4(c)	Residue Analytical Method - Plants	00149622	707	OLD	
171-4(c)	Residue Analytical Method - Plants	00096873	707	OLD	



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Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4(c)	Residue Analytical Method - Plants	00096873	707	OLD	
171-4(c)	Residue Analytical Method - Plants	42206401	707	OLD	
171-4(c)	Residue Analytical Method - Plants	92136065	707	OLD	
171-4(d)	Residue Analytical Method - Animals	44400204	707	OWN	
171-4(d)	Residue Analytical Method - Animals	43307503	707	OWN	
171-4(d)	Residue Analytical Method - Animals	43307502	707	OWN	
171-4(d)	Residue Analytical Method - Animals	43346401	707	OWN	
171-4(d)	Residue Analytical Method - Animals	42206401	707	OLD	
171-4(d)	Residue Analytical Method - Animals	41578401	707	OLD	
171-4(d)	Residue Analytical Method - Animals	92136066	707	OLD	
171-4(d)	Residue Analytical Method - Animals	92136030	707	OLD	
171-4(d)	Residue Analytical Method - Animals	00096873	707	OLD	
171-4(d)	Residue Analytical Method - Animals	00096874	707	OLD	
171-4(d)	Residue Analytical Method - Animals	00039924	707	OLD	
171-4(d)	Residue Analytical Method - Animals	00149622	707	OLD	
171-4(e)	Storage Stability	44061501	707	OWN	
171-4(e)	Storage Stability	43859801	707	OWN	
171-4(e)	Storage Stability	43813201	707	OWN	
171-4(e)	Storage Stability	00096874	707	OLD	
171-4(e)	Storage Stability	00095071	707	OLD	
171-4(e)	Storage Stability	00039923	707	OLD	
860.1400	Water, fish and irrigated crops	47309701	62719	OWN	
171-4(J)	Meat / Milk / Poultry / Eggs	44506601	707	OWN	



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Applicant's/Registrant's Name & Address: Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268	Product: Pindar™ GT				
Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4(J)	Meat / Milk / Poultry / Eggs	43152202	707	OLD	
171-4(J)	Meat / Milk / Poultry / Eggs	43152201	707	OLD	
171-4(J)	Meat / Milk / Poultry / Eggs	00110732	707	OLD	
171-4(k)	Crop Field Trials	92136029	707	OLD	
171-4(k)	Crop Field Trials	92136028	707	OLD	
171-4(k)	Crop Field Trials - Artichoke	43794007	707	OWN	
171-4(k)	Crop Field Trials - Artichoke	92136067	707	OLD	
171-4(k)	Crop Field Trials - Artichoke	92136031	707	OLD	
171-4(k)	Crop Field Trials - Artichoke	00072716	707	OLD	
171-4(k)	Crop Field Trials - Avocado	43794002	707	OWN	
171-4(k)	Crop Field Trials - Avocado	40223202	707	OLD	
171-4(k)	Crop Field Trials - Avocado	92136068	707	OLD	
171-4(k)	Crop Field Trials - Avocado	92136032	707	OLD	
171-4(k)	Crop Field Trials - Banana	92136069	707	OLD	
171-4(k)	Crop Field Trials - Banana	92136033	707	OLD	
171-4(k)	Crop Field Trials - Banana	00070878	707	OLD	
171-4(k)	Crop Field Trials - Brassica	43986302	707	OWN	
171-4(k)	Crop Field Trials - Brassica	92136070	707	OLD	
171-4(k)	Crop Field Trials - Brassica	92136072	707	OLD	
171-4(k)	Crop Field Trials - Brassica	92136071	707	OLD	
171-4(k)	Crop Field Trials - Brassica	92136036	707	OLD	
171-4(k)	Crop Field Trials - Brassica	92136035	707	OLD	
171-4(k)	Crop Field Trials - Brassica	92136034	707	OLD	



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Applicant's/Registrant's Name & Address: Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268	Product: Pindar™ GT				
Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4(k)	Crop Field Trials - Citrus	46391202	62719	OWN	
171-4(k)	Crop Field Trials - Citrus	46391201	62719	OWN	
171-4(k)	Crop Field Trials - Citrus	41467501	707	OLD	
171-4(k)	Crop Field Trials - Citrus	41439701	707	OLD	
171-4(k)	Crop Field Trials - Coffee	40362801	707	OWN	
171-4(k)	Crop Field Trials - Coffee	92136073	707	OLD	
171-4(k)	Crop Field Trials - Coffee	92136037	707	OLD	
171-4(k)	Crop Field Trials - Coffee	00070878	707	OLD	
171-4(k)	Crop Field Trials - Corn	43944801	707	OWN	
171-4(k)	Crop Field Trials - Corn	92136074	707	OLD	
171-4(k)	Crop Field Trials - Corn	92136038	707	OLD	
171-4(k)	Crop Field Trials - Corn	00096876	707	OLD	
171-4(k)	Crop Field Trials - Corn	00096874	707	OLD	
171-4(k)	Crop Field Trials - Cottonseed	92136075	707	OLD	
171-4(k)	Crop Field Trials - Cottonseed	92136075	707	OLD	
171-4(k)	Crop Field Trials - Cottonseed	92136039	707	OLD	
171-4(k)	Crop Field Trials - Cottonseed	00099954	707	OLD	
171-4(k)	Crop Field Trials - Cottonseed	00110747	707	OLD	
171-4(k)	Crop Field Trials - Dates	40223205	707	OLD	
171-4(k)	Crop Field Trials - Dates	92136076	707	OLD	
171-4(k)	Crop Field Trials - Dates	92136041	707	OLD	
171-4(k)	Crop Field Trials - Fig	43794003	707	OWN	
171-4(k)	Crop Field Trials - Fig	92136089	707	OLD	



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Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4(k)	Crop Field Trials - Fig	92136077	707	OLD	
171-4(k)	Crop Field Trials - Fig	92136042	707	OLD	
171-4(k)	Crop Field Trials - Fig	00070261	707	OLD	
171-4(k)	Crop Field Trials - Grapes	44385042	707	OWN	
171-4(k)	Crop Field Trials - Grapes	44385401	707	OWN	
171-4(k)	Crop Field Trials - Grapes	92136078	707	OLD	
171-4(k)	Crop Field Trials - Grapes	92136043	707	OLD	
171-4(k)	Crop Field Trials - Grapes	00253812	707	OLD	
171-4(k)	Crop Field Trials - Grapes	00253812	707	OLD	
171-4(k)	Crop Field Trials - Grapes	00098209	707	OLD	
171-4(k)	Crop Field Trials - Grapes	00036703	707	OLD	
171-4(k)	Crop Field Trials - Guava	92136079	707	OLD	
171-4(k)	Crop Field Trials - Guava	92136044	707	OLD	
171-4(k)	Crop Field Trials - Horseradish	43975701	707	OWN	
171-4(k)	Crop Field Trials - Kiwi	43794005	707	OWN	
171-4(k)	Crop Field Trials - Kiwi	40223203	707	OLD	
171-4(k)	Crop Field Trials - Kiwi	92136080	707	OLD	
171-4(k)	Crop Field Trials - Kiwi	92136045	707	OLD	
171-4(k)	Crop Field Trials - Kiwi	00072715	707	OLD	
171-4(k)	Crop Field Trials - Mint	92136081	707	OLD	
171-4(k)	Crop Field Trials - Mint	92136046	707	OLD	
171-4(k)	Crop Field Trials - Mint	00099954	707	OLD	
171-4(k)	Crop Field Trials - Olive	43794006	707	OWN	



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Applicant's/Registrant's Name & Address: Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268	Product: Pindar™ GT				
Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4(k)	Crop Field Trials - Olive	40223204	707	OLD	
171-4(k)	Crop Field Trials - Olive	92136082	707	OLD	
171-4(k)	Crop Field Trials - Olive	92136048	707	OLD	
171-4(k)	Crop Field Trials - Onion	92136083	707	OLD	
171-4(k)	Crop Field Trials - Onion	92136049	707	OLD	
171-4(k)	Crop Field Trials - Onion	00071493	707	OLD	
171-4(k)	Crop Field Trials - Peanut	44407802	707	OWN	
171-4(k)	Crop Field Trials - Peanut	43756805	707	OWN	
171-4(k)	Crop Field Trials - Peanut	42793301	707	OLD	
171-4(k)	Crop Field Trials - Pome Fruit	44575901	707	OWN	
171-4(k)	Crop Field Trials - Pome Fruit	43794001	707	OWN	
171-4(k)	Crop Field Trials - Pome Fruit	92136084	707	OLD	
171-4(k)	Crop Field Trials - Pome Fruit	92136051	707	OLD	
171-4(k)	Crop Field Trials - Pome Fruit	92136050	707	OLD	
171-4(k)	Crop Field Trials - Pome Fruit	00072714	707	OLD	
171-4(k)	Crop Field Trials - Pome Fruit	00070261	707	OLD	
171-4(k)	Crop Field Trials - Pomegranate	43794004	707	OWN	
171-4(k)	Crop Field Trials - Pomegranate	92136085	707	OLD	
171-4(k)	Crop Field Trials - Pomegranate	92136052	707	OLD	
171-4(k)	Crop Field Trials - Soybeans	43764901	707	OWN	
171-4(k)	Crop Field Trials - Soybeans	92136086	707	OLD	
171-4(k)	Crop Field Trials - Soybeans	92136053	707	OLD	
171-4(k)	Crop Field Trials - Soybeans	00039927	707	OLD	



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Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4(k)	Crop Field Trials - Stone Fruit	44025401	707	OWN	
171-4(k)	Crop Field Trials - Stone Fruit	43794008	707	OWN	
171-4(k)	Crop Field Trials - Stone Fruit	92136087	707	OLD	
171-4(k)	Crop Field Trials - Stone Fruit	92136054	707	OLD	
171-4(k)	Crop Field Trials - Stone Fruit	00253812	707	OLD	
171-4(k)	Crop Field Trials - Stone Fruit	00070261	707	OLD	
171-4(k)	Crop Field Trials - Stone Fruit (Prunes)	00098209	707	OLD	
171-4(k)	Crop Field Trials - Stone Fruit (Peaches)	00098209	707	OLD	
171-4(k)	Crop Field Trials - Stone Fruit (Plums)	00098209	707	OLD	
171-4(k)	Crop Field Trials - Stone Fruit (Apricots)	00098209	707	OLD	
171-4(k)	Crop Field Trials - Stone Fruit (Nectarines)	00098209	707	OLD	
171-4(k)	Crop Field Trials - Tree Fruit	00070261	707	OLD	
171-4(k)	Crop Field Trials - Treenuts	92136088	707	OLD	
171-4(k)	Crop Field Trials - Treenuts	92136056	707	OLD	
171-4(k)	Crop Field Trials - Treenuts	92136055	707	OLD	
171-4(k)	Crop Field Trials - Treenuts	00099954	707	OLD	
171-4(k)	Crop Field Trials - Treenuts	00098209	707	OLD	
171-4(l)	Processed Food/Feed	43944801	707	OWN	
171-4(l)	Processed Food/Feed	43764901	707	OWN	
171-4(l)	Processed Food/Feed	92136086	707	OLD	
171-4(l)	Processed Food/Feed	92136084	707	OLD	
171-4(l)	Processed Food/Feed	92136081	707	OLD	
171-4(l)	Processed Food/Feed	92136075	707	OLD	



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Applicant's/Registrant's Name & Address: Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268	Product: Pindar™ GT				
Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4(l)	Processed Food/Feed	92136053	707	OLD	
171-4(l)	Processed Food/Feed	92136047	707	OLD	
171-4(l)	Processed Food/Feed	92136040	707	OLD	
171-4(l)	Processed Food/Feed	00110747	707	OLD	
N/A	Refined Estimated Environmental Concentrations of Oxyfluorfen Residues in the Index Reservoir Resulting From Use on Apples	46373105	62719	OWN	
N/A	Oxyfluorfen (707-165) on Peanut Nutmeat and Hay: An Assessment of the Risk Criteria Established in the Food Quality Protection Act (FQPA): Lab Project Number: WTL-97-123: WTL-97-123.DOC. Unpublished study prepared by Rohm and Haas Co. 21 p.	44400205	707	OWN	



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Applicant's/Registrant's Name & Address: Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268	Product: Pindar™ GT				
Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
N/A	Rohm and Haas Company Response to: 1. EPA CBTS May 10, 1996, Review of Oxyfluorfen in or on Peanuts. Amendment Dated 8/23/95 in CBTS Review, Review of Analytical Method and Residue Data. Rotational Crop Data. 2. EPA CBTS August 20, 1996, Review of Oxyfluorfen in or on Peanuts. Amendment Dated 7/2/96 in Response to CBTS Review, Revised Section B and F: Lab Project Number: 34-97-113: TR34-97-113: 34P-96-102. Unpublished study prepared by Rohm and Haas Co. 173 p. {OPPTS 860.13001	44400201	707	OWN	
N/A	Rohm and Haas Company Response to EPA CBTS May 12, 1994 Review of Residue Chemistry Data Supporting the Petition for Permanent Tolerances for Oxyfluorfen in Peanuts PP#3F04229/FAP#3H5674	43756802	707	OWN	
N/A	Letter Which Describes a Previously Unidentified Mammalian Metabolite of Oxyfluorfen as a Metabolite in a Goat Metabolism Study, In Addition to Having Been Identified as a Degradate in Aqueous Photolysis Studies	42178601	707	OLD	
N/A	Perchloroethylene in Goal 2E Treated Fruit, Nut and Mint Hay Crops	00027541	707	OLD	



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Ingredient: Penoxsulam, Oxyfluorfen					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
N/A	Analytical Reports for Goal Residues in Wheat Grain (Mexican)	Admin	707	OLD	
231	Dermal Exposure - Outdoor	41471101	707	OLD	
132-1(a)	Foliar Dislodgeable Residue Dissipation	42098301	707	OLD	
132-1(b)	Soil Residue Dissipation	42098302	707	OLD	
132-1(b)	Soil Residue Dissipation	42098301	707	OLD	
133-3	Dermal Exposure	42098302	707	OLD	
133-3	Dermal Exposure	41471101	707	OLD	
133-4	Inhalation Exposure	42098302	707	OLD	
133-4	Inhalation Exposure	00134455	707	OLD	
201-1	Spray Droplet Size Spectrum	42048004	707	OLD	
201-1	Spray Droplet Size Spectrum	92136098	707	OLD	
201-1	Spray Droplet Size Spectrum	00144894	707	OLD	
202-1	Spray Drift Field Deposition	92136098	707	OLD	
202-1	Srapy Drift Field Deposition	00144894	707	OLD	
N/A	Rohm and Haas Co. Response to the USEPA Oxyfluorfen DER Review, Dated 26 August 1999	45409801	707	OWN	